

APR 1980

JA-1980-04

0049312

37243C/21 SANKYO KK	A96 B07	SANY 03.10.76 J5 5049-312	A(12-V1) B(4-B1C, 4-C2, 4-C3, 12-M9, 12-M10, 12-M11). 4
03.10.78-JA-121801 (09.04.80) A51k-09/22 Preparing slow release pharmaceutical - by coating granules contg. active component with wax, water-sol. high mol. cpd. and nonionic surfactant and tableting			etc. <u>EXAMPLE</u> None given.(7ppW5).
Prepn. of slow release medicine comprises coating instantaneously disintegrating granules, which contain a major amt. of medicinal ingredient, with a film composed of wax, water-soluble high molecular compound and nonionic surfactant of HLB below 9, and tableting the coated granules.			
<u>USE/ADVANTAGE</u> Granules which normally release the medicine in 1-10 minutes can be treated to release the medicine very slowly over 7-24 hours. Further the releasing velocity of the medicine is independent of pH and is almost constant.			
<u>DETAILS</u> Usually a film of thickness 15-50 μ is coated on the granules. The water-soluble high molecular compound (the water solubility of which is independent of pH) can be methylcellulose, hydroxyethylcellulose, PVA, polyvinylpyrrolidone, hydroxypropylcellulose, polyethyleneglycol.			

J550

EXHIBIT 30

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 55-049312

(43)Date of publication of application : 09.04.1980

(51)Int.Cl.

A61K 9/22

(21)Application number : 53-121801

(71)Applicant : SANKYO CO LTD

(22)Date of filing : 03.10.1978

(72)Inventor : KURIHARA KOZO
FUKAZAWA TOSHIO
OTSUKA YUJI

(54) PREPARATION OF SLOW-RELEASING MEDICINE

(57)Abstract:

PURPOSE: To obtain slow-releasing medicine which keeps the rate of release in the body constant irrespective of the pH in the digestive organs, by coating an easily disintegrable particle containing a principal medicine, with a layer which can easily be dissolved in body fluids, and forming the coated particles into a tablet.

CONSTITUTION: Easily disintegrable particle comprising a principal medicine and a disintegrating agent, is coated with a layer comprising wax, a water-soluble polymer and a nonionic surface-active agent having HLB of less than 9. The layer is water-soluble irrespective of the pH, and has a low water-permeability. The covered particles are formed into tablets having sufficiently high strength to endure the usual treatment. Although elution retarding rate of each covered particle is as short as 1W10min, a slow-releasing medicine which releases the effective component slowly, at a constant rate over a long period of 7W24hr can be made by forming into tablets.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office